

U.S. Application No. 09/768,253
Docket No. 1982-0163P
Filed: October 21, 2004
Art Unit: 2612
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AMENDMENTS TO THE SPECIFICATION

IN THE TITLE OF THE INVENTION:

Please amend the title of the invention as follows:

DIGITAL CAMERA FOR FAST START UP

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 2, line 8 with the following rewritten paragraph.

In view of the aforementioned, an object of the present invention is to provide a digital camera in which the start-up time ~~which is the time from when a power source is turned on to open a lens cover until the time the digital camera is in a state in which photographing is possible~~ can be shortened.

Please replace the paragraph beginning on page 7, line 12 with the following rewritten paragraph.

FIG. 1A is a perspective view of an exterior of a digital camera to which an embodiment of the present invention is applied.

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Please replace the paragraph beginning on page 7, line 14 with the following rewritten paragraph.

FIG. 1B is a front view showing the exterior of the digital camera to which an embodiment of the present invention is applied in a state in which a lens is accommodated when a power source is turned off.

Please replace the paragraph beginning on page 8, line 11 with the following rewritten paragraph.

Hereinafter, a first embodiment of the present invention will be described in detail with reference to the drawings. A digital camera 10 to which the present invention is applied comprises ~~is formed of~~, as shown in FIGS. 1A and 1B, a photographing device 30 (see FIGS. 3 through 5) including a shutter button 12, a zoom lens 14 (details thereof will be described later) and a CCD and the like, a flash 16, a memory card drive 20 (see FIG. 7B) and a control section 22 which controls the driving of these components (see FIG. 7B) and the like.

Please replace the paragraph beginning on page 8, line 23 with the following rewritten paragraph.

A gear portion 64 is formed at an outer circumferential surface of the rotating cylinder 62 at a camera main body side thereof. The driving force of a DC motor 70 (see FIGS. 3 through 5) which is a zoom motor is transmitted to the gear portion 64, thereby causing the rotating cylinder 62 to rotate ~~rotates~~ while contacting the outer circumferential surface of the fixed cylinder 60.

Please replace the paragraph beginning on page 9, line 5 with the following rewritten paragraph.

A cord plate 96 shown in FIG. 6 is provided at an outer circumferential surface of the rotating cylinder 62 at the a camera main body side thereof so as to be parallel to the gear portion 64. The cord plate 96 is provided so as to divide an angle range where the rotating cylinder 62 can rotate and which corresponds to positions of the forward lens group 50 and the backward lens group 52 into a predetermined number of ranges. For example, in the present embodiment, the cord plate 96 is provided, which divides the angle range where the rotating

cylinder 62 can rotate into four ranges. The four ranges include A range which is a first rotation angle range (for example a range of 0.degree. to 4.5.degree.), B range which is a second rotation angle range (for example a range of 4.5.degree. to 12.1.degree.), C range which is a third rotation angle range (for example a range of 12.1.degree. to 25.degree.) and D range which is a fourth rotation angle range (for example a range of 25.degree. to 56.degree.).

Please replace the paragraph beginning on page 9, line 20 with the following rewritten paragraph.

These ranges are detected by a terminal 98 which is shown in FIG. 6 and is provided at the ~~a~~—camera main body. The terminal 98 has four contacts 98a, 98b, 98c and 98d at positions corresponding to four ranges of the cord plate 96 (i.e., A range 96a, B range 96b, C range 96c and D range 96d). The contacts 98a, 98b, 98c and 98d contact corresponding ranges A, B, C and D of the cord plate 96 so as to detect the range of the cord plate 96 and the detected results are outputted to the control section 22 to be described later.

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Please replace the paragraph beginning on page 11, line 22 with the following rewritten paragraph.

A plurality of springs 84 are provided between the second lens cylinder 56 and the fixed cylinder 60 (see FIG. 2). The second lens cylinder 56 is continuously urged to the an-imaging surface side of a photographing device by the springs 84.

Please replace the paragraph beginning on page 12, line 8 with the following rewritten paragraph.

The first lens cylinder 54 holds the forward lens group 50 therein by a lens holding frame which is provided within an opening end of the first lens cylinder 54. A plurality of straight advancing guide grooves 66 are formed at an inner circumferential surface of the first lens cylinder 54. A plurality of first lens cam followers 68 are provided at an outer circumferential surface of the first lens cylinder 54. The straight advancing guide grooves 66 engage with the above-described straight advancing guide protrusions 82 guides of the second lens cylinder 56. The first lens cam followers 68 engage with the first lens cam 76.